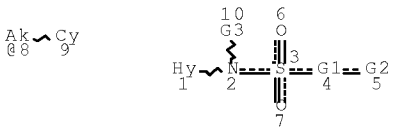
```
=> b reg
FILE 'REGISTRY' ENTERED AT 11:34:13 ON 06 NOV 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    5 NOV 2007  HIGHEST RN 952474-38-3
DICTIONARY FILE UPDATES:   5 NOV 2007  HIGHEST RN 952474-38-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> d que sta l8
L3              STR
```




```
REP G1=(2-3) A
VAR G2=CY/8
VAR G3=H/ME
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E5 C  E1 N  AT   1

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  10

STEREO ATTRIBUTES: NONE
L6      1217938 SEA FILE=REGISTRY ABB=ON  PLU=ON  46.156.1/RID
L8          379 SEA FILE=REGISTRY SUB=L6 SSS FUL L3

100.0% PROCESSED  166426 ITERATIONS                          379 ANSWERS
SEARCH TIME: 00.00.03



=> d bib abs hitstr l20 tot
YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:n


=> b hcap
FILE 'HCAPLUS' ENTERED AT 11:34:46 ON 06 NOV 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)


Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
```

FILE COVERS 1907 - 6 Nov 2007 VOL 147 ISS 20
FILE LAST UPDATED: 5 Nov 2007 (20071105/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

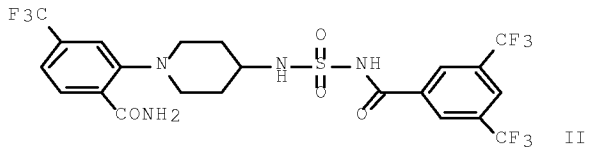
This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> d bib abs hitstr l20 tot

L20 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:796680 HCAPLUS Full-text
DN 139:307797
TI Preparation of piperazinyl- or piperidinylamine-sulfamic acid amides as inhibitors of steroid sulfatase
IN Lehr, Philipp
PA Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.
SO PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO2003082842	A1	20031009	2003WO-EP03214	20030327
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SE, SG, SK, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW				
	RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
	CA---2480686	A1	20031009	2003CA-2480686	20030327
	AU2003226732	A1	20031013	2003AU-0226732	20030327
	EP---1492782	A1	20050105	2003EP-0745281	20030327
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	BR2003008795	A	20050118	2003BR-0008795	20030327
	CN---1646509	A	20050727	2003CN-0808336	20030327
	JP2005526812	T	20050908	2003JP-0580309	20030327
	NZ----535617	A	20060428	2003NZ-0535617	20030327
	IN2004CN02142	A	20060303	2004IN-CN02142	20040927
	MX2004PA09453	A	20050125	2004MX-PA09453	20040928
	NO2004004321	A	20041012	2004NO-0004321	20041012
	US2006052393	A1	20060309	2005US-0509259	20050503
	ZA-200407853	A	20060531	2004ZA-0007853	20051213
PRAI	2002GB-0007500	A	20020328		
	2002GB-0025679	A	20021104		
	2003WO-EP03214	W	20030327		

OS MARPAT 139:307797
GI



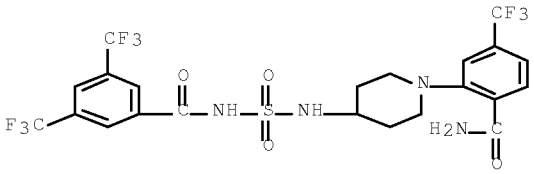
II

AB The title compds. R1NR2SO2NHCOR3 [I; NR1R2 = piperazino (wherein the second N atom is substituted by alkoxycarbonyl or aryl) ; or R1 = H and R2 = piperidinyl, attached via a carbon atom of the piperidinyl ring (wherein N is substituted by alkoxycarbonyl or aryl); R3 = aryl, arylalkyl], useful for the manufacture of a medicament in diseases mediated by the action of steroid sulfatase, were prepared E.g., a 5-step synthesis of II (starting from 4-benzylaminopiperidine-1-carboxylic

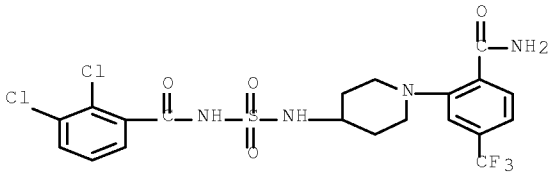
acid tert-Bu ester and sulfamide), was given. The compds. I show activity in the assay of human steroid sulfatase (rel IC50 in the range of 0.0046 to 350). Pharmaceutical composition comprising the compound I is claimed.

IT 610798-69-1P 610798-74-8P 610798-79-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of piperazinyl- or piperidinylamine-sulfamic acid amides as inhibitors of steroid sulfatase)

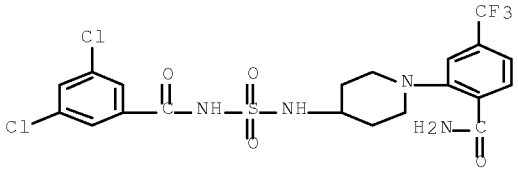
RN 610798-69-1 HCAPLUS
CN Benzamide, N-[[[1-[2-(aminocarbonyl)-5-(trifluoromethyl)phenyl]-4-piperidinyl]amino]sulfonyl]-3,5-bis(trifluoromethyl)- (CA INDEX NAME)



RN 610798-74-8 HCAPLUS
CN Benzamide, N-[[[1-[2-(aminocarbonyl)-5-(trifluoromethyl)phenyl]-4-piperidinyl]amino]sulfonyl]-2,3-dichloro- (CA INDEX NAME)



RN 610798-79-3 HCAPLUS
CN Benzamide, N-[[[1-[2-(aminocarbonyl)-5-(trifluoromethyl)phenyl]-4-piperidinyl]amino]sulfonyl]-3,5-dichloro- (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 1954:68234 HCAPLUS Full-text
DN 48:68234
OREF 48:12172c-f
TI Sulfamide derivatives
IN Hamann, Karl
PA Farbenfabriken Bayer A.-G.
DT Patent
LA Unavailable
FAN.CNT 1

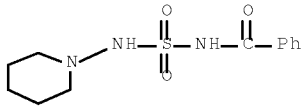
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE----876846		19530518	1943DE-F002350	19430601

AB SO2(NH2)2 (I) or its N-substituted products containing at least 1 replaceable H atom linked to the N atom are treated with an acylating agent, possibly in the presence of an inert solvent and (or) acid-binding agent, to give sulfamide derivs. useful as intermediates in the manufacture of dyes or remedies. Ac2O 102 added within 0.5 hr. to I 48 in glacial AcOH 102 parts by weight at 70°, the mixture stirred about 3 hrs. at 70°, and the product which ppts. on cooling filtered and recrystd. from EtOH gives SO2(NHAc)2, 70 parts, oblong, colorless needles, m. 153-4°. Similarly are prepared: SO2(NHCOPr)2, oblong needles, m. 155-6°, from I and PrCO2H; H2NSO2NHCOPr, oblong needles, m. 143-4°, from I and PrCOCl; H2NSO2NHBz, m. 161-2°, from I and BzCl; p-ClC6H4CONHSO2NHBu, oblong needles, m. 183-4°, from H2NSO2NHBu and p-ClC6H4COCl; N-cyclohexyl-N'-benzoylsulfamide, 187-8°, from C6H11NHSO2NH2 and BzCl; N-piperidino-N'-benzoylsulfamide, m. 146-7°, from C5H10NHSO2NH2 and BzCl.

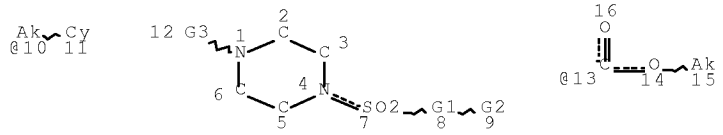
IT 855263-41-1P, Benzamide, N-(piperidinosulfamoyl)-
RL: PREP (Preparation)
(preparation of)

RN 855263-41-1 HCAPLUS

CN Benzamide, N-(piperidinosulfamoyl)- (5CI) (CA INDEX NAME)



=> d que sta l25
L23 STR



REP G1=(2-3) A
VAR G2=CY/10
VAR G3=CY/13
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE
L25 1488 SEA FILE=REGISTRY SSS FUL L23

100.0% PROCESSED 100910 ITERATIONS 1488 ANSWERS
SEARCH TIME: 00.00.02

=> d bib abs hitstr l35 tot

L35 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:796680 HCAPLUS Full-text
DN 139:307797
TI Preparation of piperazinyl- or piperidinylamine-sulfamic acid amides as inhibitors of steroid sulfatase
IN Lehr, Philipp
PA Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.
SO PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO2003082842	A1	20031009	2003WO-EP03214	20030327

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

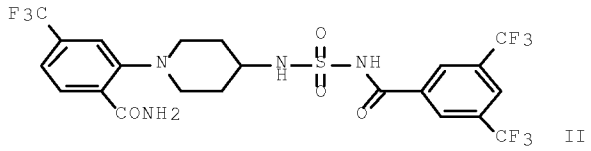
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU,
LV, MA, MD, MK, MN, MX, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC,
SE, SG, SK, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW
RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE,
DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
SI, SK, TR

CA	2480686	A1	20031009	2003CA-2480686	20030327
AU	2003226732	A1	20031013	2003AU-0226732	20030327
EP	1492782	A1	20050105	2003EP-0745281	20030327
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR	2003008795	A	20050118	2003BR-0008795	20030327
CN	1646509	A	20050727	2003CN-0808336	20030327
JP	2005526812	T	20050908	2003JP-0580309	20030327
NZ	535617	A	20060428	2003NZ-0535617	20030327
IN	2004CN02142	A	20060303	2004IN-CN02142	20040927
MX	2004PA09453	A	20050125	2004MX-PA09453	20040928
NO	2004004321	A	20041012	2004NO-0004321	20041012
US	2006052393	A1	20060309	2005US-0509259	20050503
ZA	200407853	A	20060531	2004ZA-0007853	20051213

PRAI 2002GB-0007500 A 20020328
2002GB-0025679 A 20021104
2003WO-EP03214 W 20030327

OS MARPAT 139:307797

GI

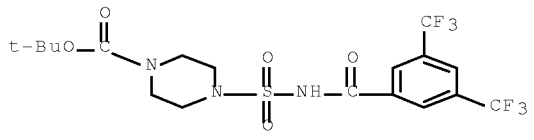


II

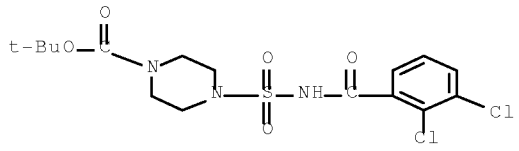
AB The title compds. R1NR2SO2NHCOR3 [I; NR1R2 = piperazino (wherein the second N atom is substituted by alkoxycarbonyl or aryl) ; or R1 = H and R2 = piperidinyl, attached via a carbon atom of the piperidinyl ring (wherein N is substituted by alkoxycarbonyl or aryl); R3 = aryl, arylalkyl], useful for the manufacture of a medicament in diseases mediated by the action of steroid sulfatase, were prepared E.g., a 5-step synthesis of II (starting from 4-benzylaminopiperidine-1-carboxylic acid tert-Bu ester and sulfamide), was given. The compds. I show activity in the assay of human steroid sulfatase (rel IC50 in the range of 0.0046 to 350). Pharmaceutical composition comprising the compound I is claimed.

IT 610798-84-0P 610798-86-2P 610798-88-4P
610798-90-8P 610798-93-1P 610798-94-2P
610798-95-3P 610798-96-4P 610798-97-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of piperazinyl- or piperidinylamine-sulfamic acid amides as inhibitors of steroid sulfatase)

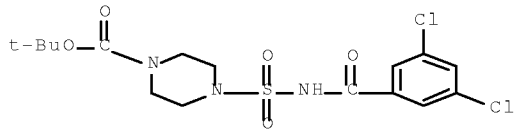
RN 610798-84-0 HCAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[[3,5-bis(trifluoromethyl)benzoyl]amino]sulfonyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



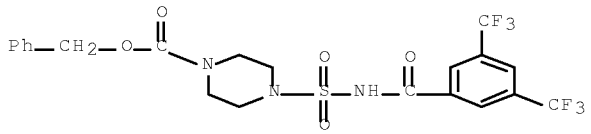
RN 610798-86-2 HCAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[(2,3-dichlorobenzoyl)amino]sulfonyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



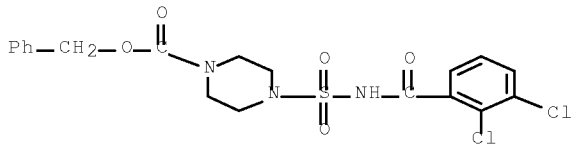
RN 610798-88-4 HCAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[(3,5-dichlorobenzoyl)amino]sulfonyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



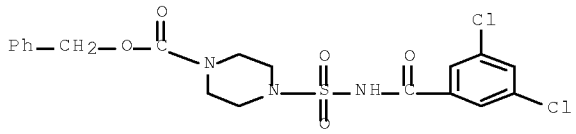
RN 610798-90-8 HCAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[[3,5-bis(trifluoromethyl)benzoyl]amino]sulfonyl]-, phenylmethyl ester (CA INDEX NAME)



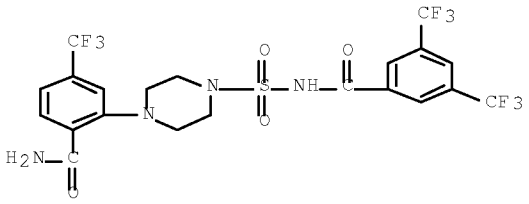
RN 610798-93-1 HCAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[(2,3-dichlorobenzoyl)amino]sulfonyl]-, phenylmethyl ester (CA INDEX NAME)



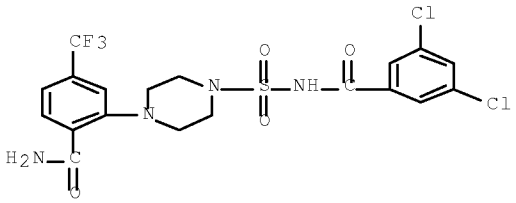
RN 610798-94-2 HCAPLUS
CN 1-Piperazinecarboxylic acid, 4-[[(3,5-dichlorobenzoyl)amino]sulfonyl]-, phenylmethyl ester (CA INDEX NAME)



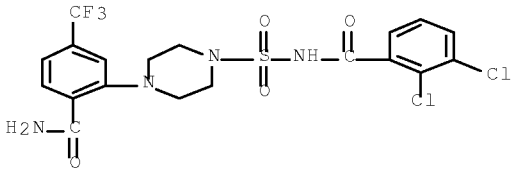
RN 610798-95-3 HCAPLUS
CN Benzamide, N-[[4-[2-(aminocarbonyl)-5-(trifluoromethyl)phenyl]-1-piperazinyl]sulfonyl]-3,5-bis(trifluoromethyl)- (CA INDEX NAME)



RN 610798-96-4 HCAPLUS
CN Benzamide, N-[[4-[2-(aminocarbonyl)-5-(trifluoromethyl)phenyl]-1-piperazinyl]sulfonyl]-3,5-dichloro- (CA INDEX NAME)

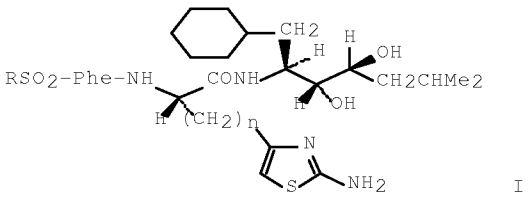


RN 610798-97-5 HCAPLUS
CN Benzamide, N-[[4-[2-(aminocarbonyl)-5-(trifluoromethyl)phenyl]-1-piperazinyl]sulfonyl]-2,3-dichloro- (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
AN 1992:490743 HCAPLUS Full-text
DN 117:90743
TI Structure-activity relationships of a series of 2-amino-4-thiazole-containing renin inhibitors
AU Patt, William C.; Hamilton, Harriet W.; Taylor, Michael D.; Ryan, Michael J.; Taylor, David G., Jr.; Connolly, Cleo J. C.; Doherty, Annette M.; Klutchko, Sylvester R.; Sircar, Ila; et al.
CS Parke-Davis Pharm. Res. Div., Warner-Lambert Co., Ann Arbor, MI, 48105, USA
SO Journal of Medicinal Chemistry (1992), 35(14), 2562-72
CODEN: JMCMAR; ISSN: 0022-2623
DT Journal
LA English
OS CASREACT 117:90743
GI



I

II

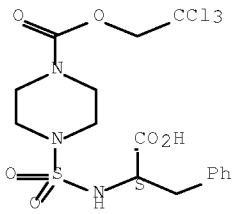
AB A series of renin inhibitors, e.g. I (R = morpholino, piperazino, n = 0–2) and II (R = morpholino, n = 1), was synthesized that contained a 2-amino-4-thiazolyl moiety at the P2 position. These derivs. are potent inhibitors of monkey renin in vitro and are selective in that they only weakly inhibit the closely related aspartic proteinase, bovine cathepsin D. I (R = morpholino, n = 0, 1; R = piperazino, n = 1) and II exhibited oral blood pressure lowering activity in high-renin normotensive monkeys. One of these compds., I (R = morpholino, n = 1) (PD 134672), was selected for further evaluation in renal hypertensive monkeys, on the basis of its superior efficacy and duration of action in the in vitro assays and the normotensive primate model.

IT 135704-27-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(peptide coupling reactions of, in preparation of renin inhibitors)

RN 135704-27-7 HCAPLUS

CN 1-Piperazinecarboxylic acid, 4-[[(1-carboxy-2-phenylethyl)amino]sulfonyl]-, 1-(2,2,2-trichloroethyl) ester, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L35 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN

AN 1991:632884 HCAPLUS Full-text

DN 115:232884

TI Preparation of aminoazole-containing peptide analogs as renin inhibitors and antiretroviral agents

IN Conolly, Cleo; Doherty, Annette Marian; Hamilton, Harriet Wall; Patt, William Chester; Sircar, Ila

PA Warner-Lambert Co., USA

SO Eur. Pat. Appl., 44 pp.
CODEN: EPXXDW

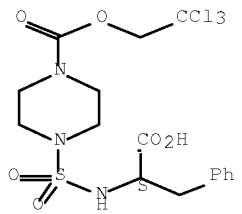
DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP----399556	A1	19901128	1990EP-0109990	19900525
EP----399556	B1	19941228		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US---5238923	A	19930824	1990US-0511271	19900425
AU---9055908	A	19901129	1990AU-0055908	19900524
AU----625354	B2	19920709		
CA---2017552	A1	19901126	1990CA-2017552	19900525
NO---9002318	A	19901127	1990NO-0002318	19900525
JP--03086870	A	19910411	1990JP-0134257	19900525
JP---2980129	B2	19991122		
ZA---9004043	A	19920129	1990ZA-0004043	19900525

```
     ES---2066905         T3    19950316    1990ES-0109990         19900525
     US---5453488         A     19950926    1993US-0038728         19930326
     US---5643879         A     19970701    1995US-0440585         19950515
PRAI 1989US-0357561       A     19890526
     1990US-0511271       A     19900425
     1993US-0038728       A3    19930326
OS   MARPAT 115:232884
GI   For diagram(s), see printed CA Issue.
AB    Title compds. [I; A = H, Me3CO2C, PhCH2O2C, Me3CSO2CH2CH(CH2Ph)CO, RR1NSO2, etc.; R,R1 = H, (OH- or
      amino-substituted) alkyl; B = null, Phe, Tyr, Tyr(OMe); X1 = statine residue (analog); D = null,
      OH, amino; E = H, alkanoyl, PhCH2O2C, Me3CO2C, Cl3CCH2O2C; n = 0-2; X,Y = O, S, N, NH; 1 of X,Y
      must be N], were prepared  Thus, TROC-SPI-Phe-OH (TROC = Cl3CCH2O2C, SPI = N-piperazinylsulfonyl)
      (preparation given) in DMF was stirred with DCC and hydroxybenzotriazole at 15° for 30 min; (S)-
      ATM(TROC)-CAD [ATM = 3-(2'-amino-4'-thiazolyl)alanyl, CAD = Q1] in DMF was added and the mixture
      was stirred 48 h at room temperature to give a coupling product, which was deprotected with
      Zn/HOAC/MeOH to give H-SPT-Phe-(S)-ATM-CAD.  The latter inhibited remin with IC50 of 0.16 nM.
IT   135704-27-7P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of, as intermediate for renin inhibitor and antiretroviral
        peptide)
RN   135704-27-7  HCAPLUS
CN   1-Piperazinecarboxylic acid, 4-[[(1-carboxy-2-phenylethyl)amino]sulfonyl]-
     , 1-(2,2,2-trichloroethyl) ester, (S)- (9CI)  (CA INDEX NAME)

Absolute stereochemistry.
```




```
=> d his

     (FILE 'HOME' ENTERED AT 09:38:00 ON 06 NOV 2007)

     FILE 'REGISTRY' ENTERED AT 09:38:25 ON 06 NOV 2007
L1             STR
L2           1 L1
L3             STR L1
L4           1 L3
L5           1 PIPERIDINE/CN
L6     1217938 46.156.1/RID
L7           1 L3 SAM SUB=L6
L8         379 L3 FULL SUB=L6

     FILE 'HCAPLUS' ENTERED AT 09:46:40 ON 06 NOV 2007
L9          28 L8
L10          1 US20060052393/PN

     FILE 'REGISTRY' ENTERED AT 09:47:41 ON 06 NOV 2007

     FILE 'HCAPLUS' ENTERED AT 09:47:41 ON 06 NOV 2007
L11            TRA L10 1- RN :       25 TERMS

     FILE 'REGISTRY' ENTERED AT 09:47:41 ON 06 NOV 2007
L12         25 SEA L11
L13          4 L12 AND L8

     FILE 'HCAPLUS' ENTERED AT 09:48:38 ON 06 NOV 2007
L14          1 L13

     FILE 'HCAOLD' ENTERED AT 09:49:31 ON 06 NOV 2007
L15          1 L9
               SEL HIT RN

     FILE 'REGISTRY' ENTERED AT 09:50:01 ON 06 NOV 2007
```

```
L16           1 E1-2

     FILE 'HCAPLUS' ENTERED AT 09:51:41 ON 06 NOV 2007
L17          18 L9 AND (PD<=20030327 OR AD<=20030327 OR PRD<=20030327)

     FILE 'REGISTRY' ENTERED AT 11:12:50 ON 06 NOV 2007
L18         329 E3-331

     FILE 'REGISTRY' ENTERED AT 11:32:00 ON 06 NOV 2007
L19           4 L18 AND (C12H17N3O3S OR C20H19CL2F3N4O4S OR C22H19F9N4O4S)

     FILE 'HCAPLUS' ENTERED AT 11:32:56 ON 06 NOV 2007
L20           2 L19

     FILE 'REGISTRY' ENTERED AT 12:54:42 ON 06 NOV 2007
L21             STR
L22          50 L21
L23             STR L21
L24          27 L23
L25        1488 L23 FULL
L26           9 L25 AND L12

     FILE 'HCAPLUS' ENTERED AT 13:01:39 ON 06 NOV 2007

     FILE 'HCAOLD' ENTERED AT 13:01:41 ON 06 NOV 2007
L27           0 L26

     FILE 'HCAPLUS' ENTERED AT 13:01:47 ON 06 NOV 2007
L28           1 L26

     FILE 'REGISTRY' ENTERED AT 13:02:01 ON 06 NOV 2007
L29        1479 L25 NOT L26

     FILE 'HCAPLUS' ENTERED AT 13:02:14 ON 06 NOV 2007
L30          72 L29
L31          45 L30 AND (PD<=20030327 OR AD<=20030327 OR PRD<=20030327)
                SEL HIT RN
                DEL SEL Y
                SEL HIT RN

     FILE 'REGISTRY' ENTERED AT 13:03:07 ON 06 NOV 2007
L32         248 E1-248

     FILE 'REGISTRY' ENTERED AT 13:18:34 ON 06 NOV 2007
L33           1 L32 AND C16H20CL3N3O6S

     FILE 'HCAPLUS' ENTERED AT 13:18:53 ON 06 NOV 2007
L34           2 L33
L35           3 L28,L34

=>
```